

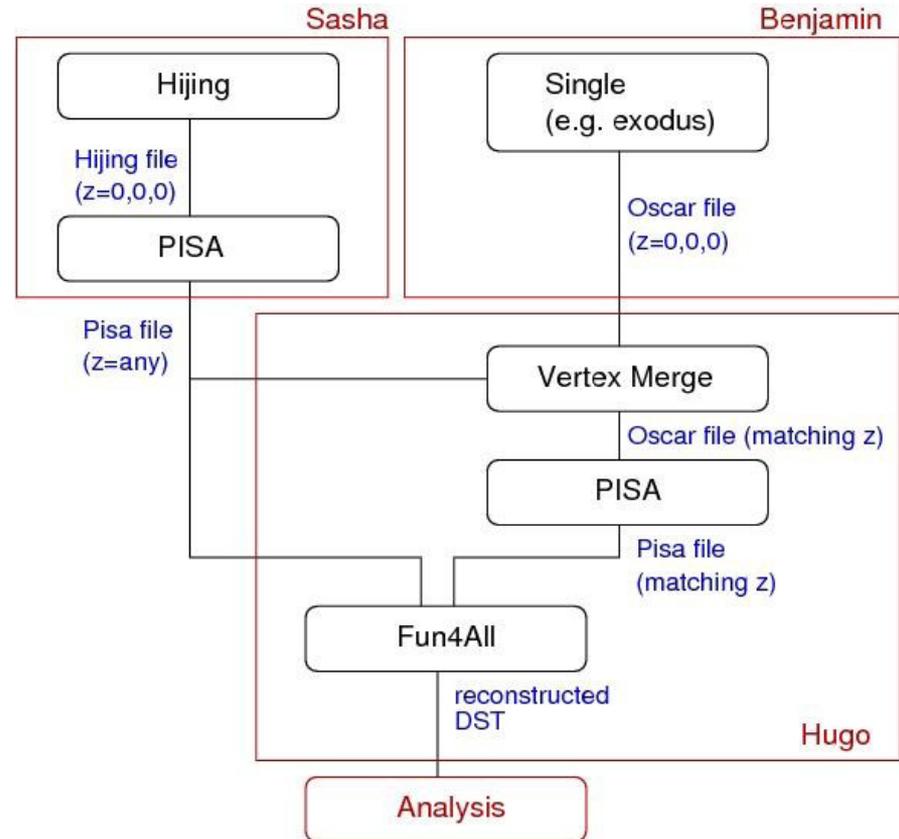
# VTX Simulation Plans



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RIKEN

# Blind Analysis Challenge

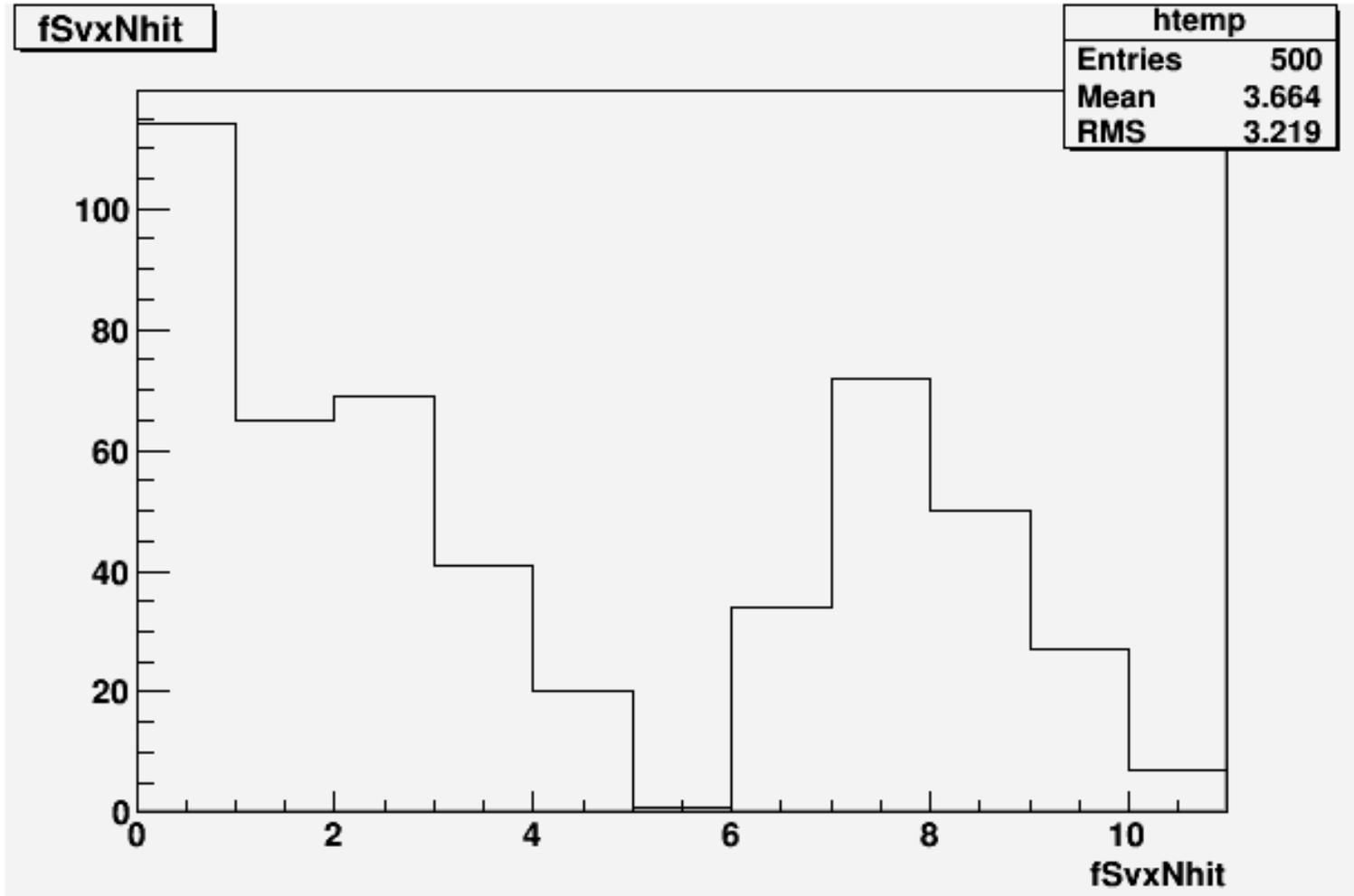
- Can physics results be acquired from the VTX simulation?
- Before I do the Blind Analysis Challenge, I plan to do the Non-Blind Analysis Challenge.



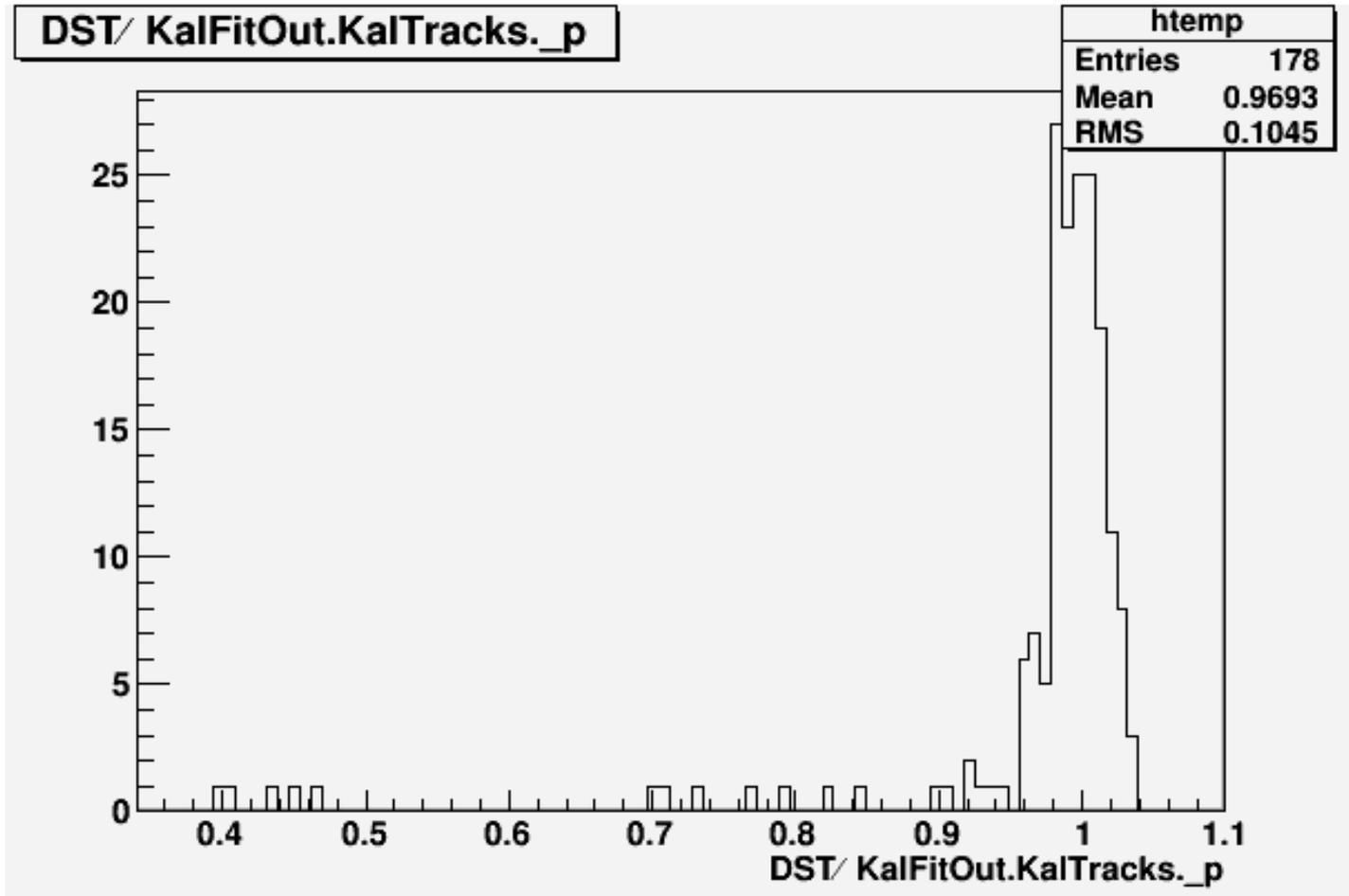
# Current Status

- I was able to use the example code (from the VTX Wiki) to read PHENIX DSTs on RCF
- I ran the example PISA simulation.
- I then ran PISA output through the Kalman fit function in reconstruction.
- However, I cannot read DSTs from RCF on the local CCJ computers at RIKEN.

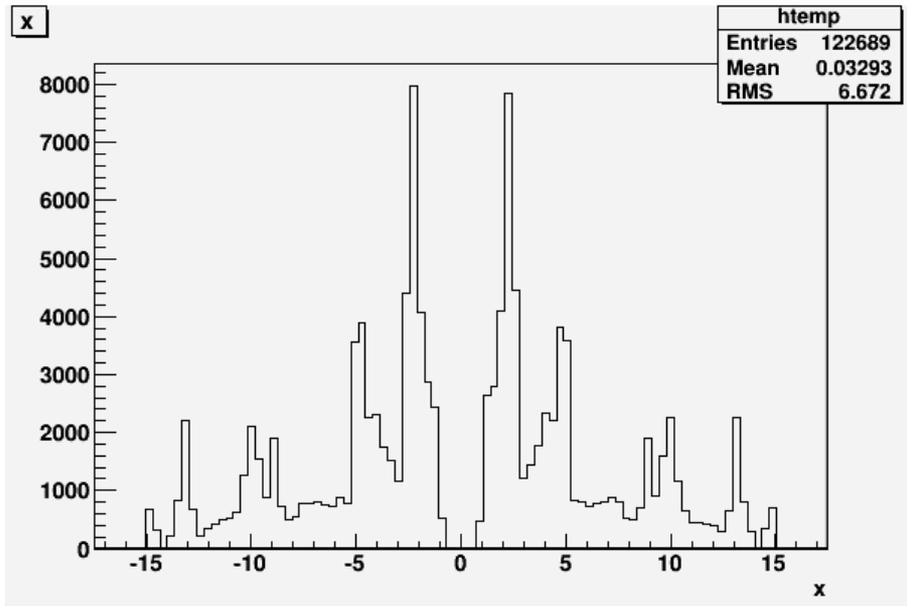
# Example PISA Results



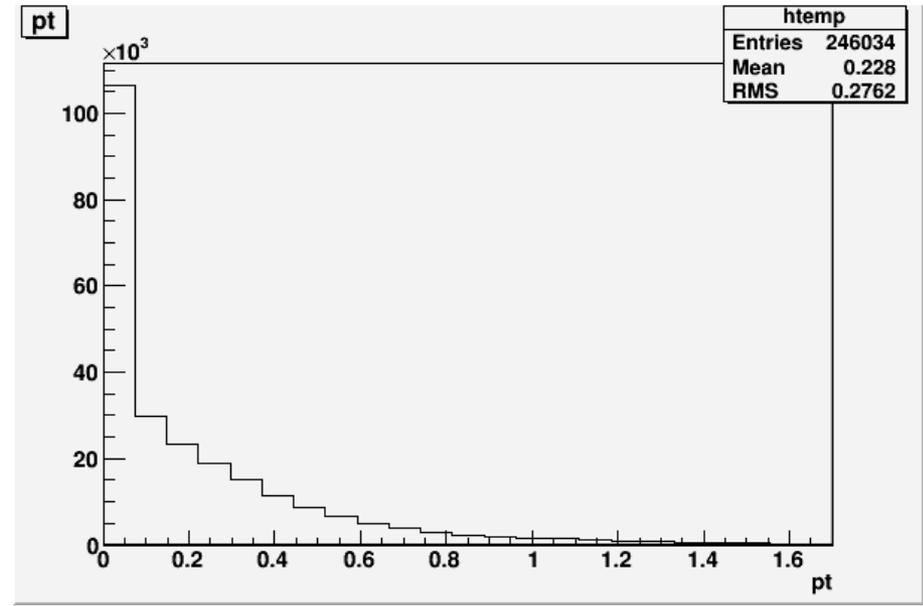
# Kalman Fit Results in Reconstruction



# Histograms from example DSTs



SVX Cluster x-position



SVX Track  $p_t$

# Goals

- Be able to read RCF DST files locally on CCJ
- Learn how to extract D and B spectra from DSTs
- Then I will do the Non-Blind Analysis Challenge